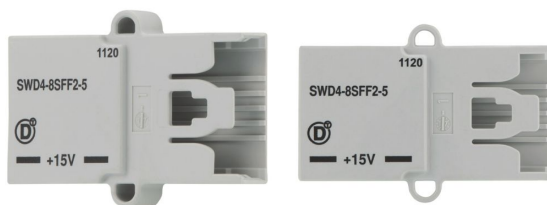


Specifications



Eaton 116024

Eaton SWD4 Coupling, SmartWire-DT, for connecting ribbon cables via blade terminal SWD4-8MF 2

General specifications

PRODUCT NAME	Eaton SWD4 Accessory Coupling
CATALOG NUMBER	116024
MODEL CODE	SWD4-8SFF2-5
EAN	4015081157648
PRODUCT LENGTH/DEPTH	10 mm
PRODUCT HEIGHT	35 mm
PRODUCT WIDTH	49 mm
PRODUCT WEIGHT	0.004 kg
CERTIFICATIONS	CSA File No.: 2324643 UL CSA UL Category Control No.: NKCR CSA Class No.: 3211-07 EN 50178 UL File No.: E29184 IEC/EN 61131-2
CATALOG NOTES	not relevant



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Ambient conditions, mechanical

CONSTANT ACCELERATION	1 g, 8.4 - 150 Hz, according to IEC/EN 61131-2, Vibrations
CONSTANT AMPLITUDE	3,5 mm, 5 - 8.4 Hz, according to IEC/EN 61131-2, Vibrations
MOUNTING POSITION	As required
SHOCK RESISTANCE	15 g, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 11 ms, 9 Impacts

Communication

CONNECTION TO SMARTWIRE-DT	Yes
CONNECTION TYPE	Connection 1: Plug, 8-pole Connection 2: Bus, 8-pole

Climatic environmental conditions

AIR PRESSURE	795 - 1080 hPa (operation)
AMBIENT OPERATING TEMPERATURE - MAX	55 °C
AMBIENT STORAGE TEMPERATURE - MAX	70 °C
AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
AMBIENT STORAGE TEMPERATURE - MIN	-40 °C
CLIMATIC PROOFING	Dry heat to IEC 60068-2-2 Damp heat, constant, to IEC 60068-2-3
ENVIRONMENTAL CONDITIONS	Condensation: prevent with appropriate measures
OPERATING TEMPERATURE - MAX	55 °C
OPERATING TEMPERATURE - MIN	-25 °C
RELATIVE HUMIDITY	5 - 95 % (non-condensing, IEC/EN 60068-2-30)

Design verification

10.10 TEMPERATURE RISE	The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
10.11 SHORT-CIRCUIT RATING	Is the panel builder's responsibility.
10.12 ELECTROMAGNETIC COMPATIBILITY	Is the panel builder's responsibility.
10.13 MECHANICAL FUNCTION	The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.
10.2.2 CORROSION RESISTANCE	Meets the product standard's requirements.
10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES	Meets the product standard's requirements.
10.2.3.2 VERIFICATION OF RESISTANCE OF INSULATING MATERIALS TO NORMAL HEAT	Meets the product standard's requirements.
10.2.3.3 RESIST. OF INSUL. MAT. TO	Meets the product standard's requirements.

ABNORMAL HEAT/FIRE BY INTERNAL ELECT. EFFECTS	
10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION	Meets the product standard's requirements.
10.2.5 LIFTING	Does not apply, since the entire switchgear needs to be evaluated.
10.2.6 MECHANICAL IMPACT	Does not apply, since the entire switchgear needs to be evaluated.
10.2.7 INSCRIPTIONS	Meets the product standard's requirements.
10.3 DEGREE OF PROTECTION OF ASSEMBLIES	Meets the product standard's requirements.
10.4 CLEARANCES AND CREEPAGE DISTANCES	Meets the product standard's requirements.
10.5 PROTECTION AGAINST ELECTRIC SHOCK	Does not apply, since the entire switchgear needs to be evaluated.
10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS	Does not apply, since the entire switchgear needs to be evaluated.
10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS	Is the panel builder's responsibility.
10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS	Is the panel builder's responsibility.
10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH	Is the panel builder's responsibility.
10.9.3 IMPULSE WITHSTAND VOLTAGE	Is the panel builder's responsibility.
10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL	Is the panel builder's responsibility.
EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID	0 W
HEAT DISSIPATION CAPACITY PDISS	0 W
HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID	0 W
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	0 A
STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS	0 W

Electro magnetic compatibility

AIR DISCHARGE	8 kV, according to IEC 61131-2, level 3, ESD
CONTACT DISCHARGE	4 kV, according to IEC/EN 61131-2, Level 2, ESD

General information

DEGREE OF PROTECTION	IP20 (according to IEC/EN 60529, EN 50178, VBG 4) IP20
PRODUCT CATEGORY	SmartWire-DT accessories

Features & functions

FUNCTIONS	To connect SWD ribbon cables over SWD4-8MF2 blade terminals
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Input/Output

NUMBER OF INSERTION CYCLES	200
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Resources

BROCHURES	eaton-smartwire-dt-intelligent-wiring-brochure-br120001en-en-us.pdf
CATALOGUES	eaton-drives-soft-starter-catalog-ca04020001zen-us.pdf SmartWire-DT Catalog eaton-product-overview-for-machinery-catalogue-ca08103003zen-en-us.pdf
DECLARATIONS OF CONFORMITY	eaton-accessory-declaration-of-conformity-uk250999en.pdf eaton-accessory-declaration-of-conformity-eu250516en.pdf
DRAWINGS	eaton-general-eu5e-i-o-module-symbol.eps eaton-general-approval-easy-control-relays-standards.jpg eaton-modular-plc-coupling-dimensions.eps 2723DRW-38 eaton-general-easy-control-relays-symbol-002.tif
ECAD MODEL	DA-CE-ETN.SWD4-8SFF2-5
INSTALLATION INSTRUCTIONS	IL04716001Z
INSTALLATION VIDEOS	SmartWire-DT in Application
MANUALS AND USER GUIDES	MN05006002Z_EN
MCAD MODEL	eaton-programmable-logic-controls-accessories-mcad-3d-models-kupplung-swd.stp eaton-programmable-logic-controls-accessories-mcad-drawings-kupplung-swd.dwg
MULTIMEDIA	SmartWire-DT Overview and how to use in easySoft Z

[easyE4 SmartWire-DT module with Remote Touch Display and RMQ multi color indicator](#)

[How to process SmartWire-DT modules using the EASY-COM-SWD-C1 module connected to an easyE4?](#)

SALES NOTES

[eaton-electro-hydraulic-module-eu1h-flyer-fl120003en-en-us.pdf](#)

[eaton-rmq-chemical-resistance-flyer-fl047011en-en-us.pdf](#)

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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